

33. (new) The receiver of claim 10, further comprising a first local oscillator disposed on said substrate and providing a first local oscillator signal to said first mixer.

34. (new) The receiver of claim 33, wherein a frequency of said first local oscillator signal is varied to perform channel selection.

35. (new) The receiver of claim 33, further comprising a second local oscillator disposed on said substrate and providing a second local oscillator signal to said second mixer.

36. (new) The receiver of claim 35, wherein at least one of said first local oscillator signal and said second local oscillator signal are differential.

37. (new) The receiver of claim 16, wherein said differential I/Q mixer includes a polyphase circuit that combines I and Q signals to provide said image rejection.

38. (new) The receiver of claim 37, wherein said polyphase circuit is disposed on said substrate.

39. (new) The receiver of claim 10, wherein said first mixer includes a differential input port, a differential output port, and a differential local oscillator port.

40. (new) The receiver of claim 10, wherein said second mixer includes a differential input port, a differential output port, and a differential local oscillator port.

41. (new) The receiver of claim 32, further comprising:

a first differential local oscillator disposed on said substrate and having an output coupled to a local oscillator port of said first differential mixer; and

a second differential local oscillator disposed on said substrate and having an output coupled to a local oscillator port of said second differential mixer.

42 (new) The receiver of claim 41, wherein a frequency of said first differential local oscillator is varied to perform channel selection in said first differential filter.

*DI
cancel*